Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

On page 9, lines 26-27:

-- Figure 1 shows alignment of amino acid sequences for TxRIIα and the known TxR (SEQ ID NOS 2 and 38).--

On page 21, lines 6-9:

-- Figure 1 (SEQ ID NOS 2 and 38) shows the alignment of amino acid sequences for TxRIIα of the present invention and the known TxR.--

On page 22, line 3:

-- · 5' primer (XIAP2486 (32mer)) (SEQ ID NO: 6).--

On page 22, line 9:

-- · 3' primer (XIAP 2482 (32 mer)) (SEQ ID NO: 7).--

On page 28, line 36 through to line 4 on page 29:

-- Moreover, functional regions (a redox active center, a FAD-binding ~~biding~~ region, a NADPH-binding region, a selenocysteine active center) reported in human thioredoxin reductase were completely conserved in the homologous manner in X19 ~~Figure 1, SEQ ID NO: 1/2)~~ (Figure 1).--

On page 29, lines 27-28:

-- TxRII-sF3 5'-TAT GAT CTC CTG GTG GTC-3' (SEQ ID NO: 8)
TxRII-sR2 5'-GTC ATC ACT TGT GAT TCC-3' (SEQ ID NO: 9).--

On page 30, line 36:

-- 5'-ACA GCT TCT GCC ATC TTC CTC-3' (SEQ ID NO: 10).--

On page 31, line 1:

--5'-AGA AGG TTC CAC GTA GTC CAC-3' (SEQ ID NO: 11).--

On page 31, line 3:

-- 5'-CCA TAC GAT GTT CCA GAT TAC-3' (SEQ ID NO: 12).--